Exercise 1 *A particular car is known to have a fuel efficiency of 32 miles/-gallon (mpg).*

(a) *If this car is driven 32 miles, it uses* $\boxed{1}$ *gallons of fuel.*

(b) *If this car is driven 96 miles, it uses* $\boxed{3}$ *gallons of fuel.*

(c) *Call x the number of miles driven and y the gallons of fuel used. Then x and y have a linear relationship.*

(i) *The slope of this linear relationship is* $\boxed{1/32}$ *gallons/mile.*

(ii) *The equation of this line in slope-intercept form is given by* $y = \boxed{(1/32) * x + 0}$.